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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: ISPH-0587

Inventors: Butler et al.

Serial No.: 09/915,814

Filing Date: July 26, 2001

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Title: Antisense Modulation of Hormone-Sensitive Lipase Expression

#4 / I.D.S

I, **Jane Massey Licata**, Registration No. 32,257, certify that this correspondence is being depositing with the U.S. Postal Service as First Class mail in an envelope addressed to the Assistant Commissioner for Patents and Trademarks, Washington, D.C. 20231.

On this date: October 17, 2001

Jane Massey Licata
Jane Massey Licata, Registration No. 32,257

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

(XX) In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into

the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

- () In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:

- () Certification in Accordance with §1.97(e) is set forth below; or

- () The fee of \$180.00 as set forth in §1.17(p) is attached.

- () In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(i)(1).

(**xx**) Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith.

- () In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified) are not enclosed herewith because they were previously

submitted to the U.S. Patent and Trademark Office in prior application Serial No. _____, filed _____, for which a claim for priority under 35 U.S.C. §120 has been made in the instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

☒ (XX) The relevance of the listed references in a foreign language is as stated in the specification at page 4.

☐ () All listed references are in the English language.

Respectfully submitted,

Jane Massey Licata

Jane Massey Licata
Registration No. 32,257

Date: October 17, 2001

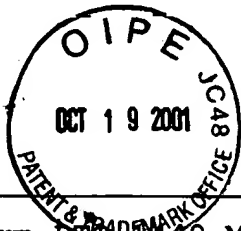
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Marlton, New Jersey 08053

(856) 810-1515



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Form PTO-449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce		Docket No. ISPH-0587	Serial No. 09/915,814
		Applicant Butler et al.	
		Filing Date July 26, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AA	Agardh et al., "The effects of tolbutamide on lipoproteins, lipoprotein lipase and hormone-sensitive lipase", <i>Diabetes Res. and Clinical Practice</i> 1999 46:99-108	
	AB	Escary et al., "Paradoxical effect on atherosclerosis of hormone-sensitive lipase overexpression in macrophages", <i>J. Lipid Res.</i> 1999 40:397-404	
	AC	Gercel-Taylor et al., "Aberrations in Normal Systemic Lipid Metabolism in Ovarian Cancer Patients ¹ ", <i>gynecologic Oncology</i> 1996 60:35-41	
	AD	Hellström et al., "Adipocyte lipolysis in normal weight subjects with obesity among first-degree relatives", <i>Diabetologia</i> 1996 39:921-928	
	AE	Holm et al., "Hormone-Sensitive Lipase:Sequence, Expression, and Chromosomal Localization to 19 cent-13.3", <i>Science</i> 1988 241:1503-1506	
	AF	Holst et al., "Molecular Cloning, Genomic Organization, and Expression of a Testicular Isoform of Hormone-Sensitive Lipase", <i>Genomics</i> 1996 35: 441-447	
	AG	Jepson et al., "Inhibition of hormone-sensitive lipase by intermediary lipid metabolites", <i>FEBS</i> 1992 310(2):197-200	
	AH	Levitt et al., "Mapping of the gene for hormone sensitive lipase (LIPE) to chromosome 19q13.1-13.2", <i>Cytogenet Cell Genet</i> 1995 69:211-214	
	AI	Mulder et al., "Hormone-Sensitive Lipase, the Rate-Limiting Enzyme in Triglyceride Hydrolysis, Is Expressed and Active in β -Cells", <i>Diabetes</i> 1999 48:228-232	
EXAMINER		DATE CONSIDERED	



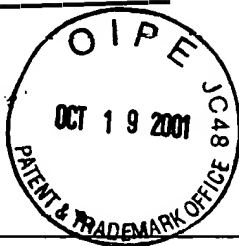
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Form ~~PTO-149~~ ModifiedDocket No.
ISPH-0587Serial No.
09/915,814List of Patents and Publications
Cited by Applicant
(Use several sheets if necessary)Applicant
Butler et al.

U.S. Department of Commerce

Filing Date
July 26, 2001Group
Not Yet Assigned**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AJ	Osuga et al., "Suppression of Neutral Cholesterol Ester Hydrolase Activity by Antisense DNA of Hormone-Sensitive Lipase", <i>Biochem. and Biophysical Res. Commun.</i> 1997 233:655-657
	AK	Osuga et al., "Targeted disruption of hormone-sensitive lipase results in male sterility and adipocyte hypertrophy, but not in obesity", <i>PNAS</i> 2000 97:787-792
	AL	Palmer et al., "Poloxamer 407-induced antherogenesis in the C57BL/6 mouse", <i>Atherosclerosis</i> 1998 115-123
	AM	Plée-Gautier et al., "Inhibition of hormone-sensitive lipase gene expression by cAMP and phorbol esters in 3T3-F442A and BFC-1 adipocytes", <i>Biochem. J.</i> 1996 318:1057-1063
	AN	Saltiel A.R., "Another hormone-sensitive triglyceride lipase in fact cells?", <i>PNAS</i> 2000 97(2):535-537
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Form PTO-1449 Modified

List of Patents and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
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Serial No.
09/915,814

Applicant
Butler et al.

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July 26, 2001

Group
Not Yet Assigned

U. S. PATENT DOCUMENTS

Examiner		Document	Date	Name	Class	Subclass

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO	
	AA	WO 01/26664A2	19-4-01	PCT	x	
	AB	WO 00/67025	9-11-00	PCT	x	
	AC	WO 01/17981A1	15-3-01	PCT		x
	AD	WO 00/27388	18-5-00	PCT	x	

EXAMINER

DATE CONSIDERED